

Serial Number: 10/063,557 Changed a file from non-ASCII to ASCII**ENTERED** #7 Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____. Other:

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003

TIME: 08:48:20

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
 Output Set: N:\CRF4\02122003\J063557.raw

3 <110> APPLICANT: Genentech, Inc.
 4 Eaton, Dan L.
 5 Filvaroff, Ellen
 6 Gerritsen, Mary E.
 7 Goddard, Audrey
 8 Godowski, Paul J.
 9 Grimaldi, Christopher J.
 10 Gurney, Austin L.
 11 Watanabe, Colin K.
 12 Wood, William I.
 14 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 15 ACIDS ENCODING THE SAME
 17 <130> FILE REFERENCE: GNE.3230R1C39
 19 <140> CURRENT APPLICATION NUMBER: US 10/063,557
 20 <141> CURRENT FILING DATE: 2002-05-02
 22 <150> PRIOR APPLICATION NUMBER: PCT/US00/23328
 23 <151> PRIOR FILING DATE: 2000-08-24
 25 <150> PRIOR APPLICATION NUMBER: PCT/US99/20111
 26 <151> PRIOR FILING DATE: 1999-09-01
 28 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
 29 <151> PRIOR FILING DATE: 1999-09-15
 31 <150> PRIOR APPLICATION NUMBER: US 60/169,495
 32 <151> PRIOR FILING DATE: 1999-12-07
 34 <150> PRIOR APPLICATION NUMBER: US 60/170,262
 35 <151> PRIOR FILING DATE: 1999-12-09
 37 <150> PRIOR APPLICATION NUMBER: US 60/175,481
 38 <151> PRIOR FILING DATE: 2000-01-11
 40 <150> PRIOR APPLICATION NUMBER: PCT/US00/04341
 41 <151> PRIOR FILING DATE: 2000-02-18
 43 <150> PRIOR APPLICATION NUMBER: PCT/US00/04342
 44 <151> PRIOR FILING DATE: 2000-02-18
 46 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
 47 <151> PRIOR FILING DATE: 2000-02-22
 49 <150> PRIOR APPLICATION NUMBER: PCT/US00/05601
 50 <151> PRIOR FILING DATE: 2000-03-01
 52 <150> PRIOR APPLICATION NUMBER: US 60/187,202
 53 <151> PRIOR FILING DATE: 2000-03-03
 55 <150> PRIOR APPLICATION NUMBER: US 60/191,007
 56 <151> PRIOR FILING DATE: 2000-03-21
 58 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
 59 <151> PRIOR FILING DATE: 2000-03-30
 61 <150> PRIOR APPLICATION NUMBER: US 60/199,397
 62 <151> PRIOR FILING DATE: 2000-04-25

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003
TIME: 08:48:20

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Output Set: N:\CRF4\02122003\J063557.raw

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 65 <151> PRIOR FILING DATE: 2000-05-22
 69 <150> PRIOR APPLICATION NUMBER: US 60/209,832
 70 <151> PRIOR FILING DATE: 2000-06-05
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 76 <212> TYPE: DNA
 77 <213> ORGANISM: Homo Sapien
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 84 aaacagaaaaa cctgttagaa atgtggtggt ttcagcaagg cctcagtttc 150
 86 cttcccttcag cccttgtaat ttggacatct gctgcttca tattttcata 200
 88 cattactgca gtaacactcc accatataga cccggcttta ccttataatca 250
 90 qtgacactgg tacagtagct ccagaaaaat gcttattttgg ggcaatgcta 300
 92 aatattgcgg cagttttatg cattgctacc atttatgttc gttataagca 350
 94 agttcatgct ctgagtcctg aagagaacgt tatcatcaaa ttaaacaagg 400
 96 ctggccttgtt acttggata ctgagttgtt taggacttcc tattgtggca 450
 98 aacttccaga aaacaaccct ttttgcgtca catgttaagtg gagctgtgct 500
 100 taccttttgtt atgggctcat tatatatgtt tggcgttgc accatcc 550
 102 accaaatgca gcccaaatac catggcaaac aagtcttctg gatcagactg 600
 104 ttgttggta tctgggtgtgg agtaagtgc cttagcatgc tgacttgctc 650
 106 atcagttttg cacagtggca attttgggac tgatittagaa cagaaactcc 700
 108 attggAACCC cgaggacaaa ggttatgtgc ttccatgtat cactactgca 750
 110 gcagaatggt ctatgtcatt ttccctctt ggtttttcc tgacttacat 800
 112 tcgtgatttt cagaaaaattt ctttacgggt ggaagccaat ttacatggat 850
 114 taaccctcta tgacactgca ccttgcctta ttaacaatga acgaacacgg 900
 116 ctactttcca gagatatttgc atgaaaggat aaaatatttgc tgtaatgatt 950
 118 atgattctca gggattgggg aaaggttcac agaagttgct tattcttc 1000
 120 taaaattttc aaccacttaa tcaaggctga cagtaacact gatgaatgct 1050
 122 gataatcagg aaacatgaaa gaagccattt gatagattat tctaaaggat 1100
 124 atcatcaaga agactattaa aaacacccat gcctataactt ttttatctca 1150
 126 gaaaataaaag tcaaaaagact atg 1173
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 129 <211> LENGTH: 266
 130 <212> TYPE: PRT
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 134 <400> SEQUENCE: 2
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 138 Val Ile Trp Thr Ser Ala Ala Phe Ile Phe Ser Tyr Ile Thr Ala
 139 20 25 30
 141 Val Thr Leu His His Ile Asp Pro Ala Leu Pro Tyr Ile Ser Asp
 142 35 40 45
 144 Thr Gly Thr Val Ala Pro Glu Lys Cys Leu Phe Gly Ala Met Leu
 145 50 55 60
 147 Asn Ile Ala Ala Val Leu Cys Ile Ala Thr Ile Tyr Val Arg Tyr
 148 65 70 75

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/063,557

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Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
 Output Set: N:\CRF4\02122003\J063557.raw

150 Lys Gln Val His Ala Leu Ser Pro Glu Glu Asn Val Ile Ile Lys
 151 80 85 90
 153 Leu Asn Lys Ala Gly Leu Val Leu Gly Ile Leu Ser Cys Leu Gly
 154 95 100 105
 156 Leu Ser Ile Val Ala Asn Phe Gln Lys Thr Thr Leu Phe Ala Ala
 157 110 115 120
 159 His Val Ser Gly Ala Val Leu Thr Phe Gly Met Gly Ser Leu Tyr
 160 125 130 135
 162 Met Phe Val Gln Thr Ile Leu Ser Tyr Gln Met Gln Pro Lys Ile
 163 140 145 150
 165 His Gly Lys Gln Val Phe Trp Ile Arg Leu Leu Leu Val Ile Trp
 166 155 160 165
 168 Cys Gly Val Ser Ala Leu Ser Met Leu Thr Cys Ser Ser Val Leu
 169 170 175 180
 171 His Ser Gly Asn Phe Gly Thr Asp Leu Glu Gln Lys Leu His Trp
 172 185 190 195
 174 Asn Pro Glu Asp Lys Gly Tyr Val Leu His Met Ile Thr Thr Ala
 175 200 205 210
 177 Ala Glu Trp Ser Met Ser Phe Ser Phe Phe Gly Phe Phe Leu Thr
 178 215 220 225
 180 Tyr Ile Arg Asp Phe Gln Lys Ile Ser Leu Arg Val Glu Ala Asn
 181 230 235 240
 183 Leu His Gly Leu Thr Leu Tyr Asp Thr Ala Pro Cys Pro Ile Asn
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 187 260 265
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 192 <213> ORGANISM: Homo Sapien
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 201 ggcctcgggg agtggaaagt ggaggccgga gccttcctta cacttcgcca 150
 203 ttagttctt catcgactcc agcatcatga ttacctccca gatactattt 200
 205 tttggatttg ggtggctttt cttcatgcgc caattgttta aagactatga 250
 207 gatacgtcag tatgttgtac aggtgatctt ctccgtgacg tttgcatttt 300
 209 cttgcaccat gtttgcgtc atcatcttgg aaatctttagg agtattgtat 350
 211 agcagctccc gttatttca ctggaaaatg aacctgtgtg taattctgt 400
 213 gatcctgggtt ttcatgggtc ctttttacat tggctattttt attgtgagca 450
 215 atatccgact actgcataaa caacgactgc tttttctgt tctcttatgg 500
 217 ctgaccttta tgtatttctt ctggaaaacta ggagatccct ttcccattct 550
 219 cagcccaaaa catggatct tatccataga acagctcatc agccgggttg 600
 221 gtgtgattgg agtgcacttc atggcttc tttctggatt tggtgctgtc 650
 223 aactgcccac acacttacat gtcttacttc ctcaggaaatg tgactgacac 700
 225 ggatatttca gcccgttggaaac ggcgactgtct gcaaaaccatg gatatgtatca 750
 227 taagccaaaaa qaaaaqgatq qcaatggcac ggagaacaat qttccadaaq 800
 229 gggaaagigc ataacaaaacc atcagglltc tggggaaalqa laaaaaigl 850
 231 taccacttca gcatcaggaa gtgaaaatct tactcttattt caacaggaaq 900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003

TIME: 08:48:20

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
 Output Set: N:\CRF4\02122003\J063557.raw

233 tggatgcattt ggaagaattt agcaggcagc ttttcttggaa aacagctgtat 950
 235 ctatatgcata ccaaggagag aatagaatac tccaaaacctt tcaaggggaa 1000
 237 atattttat tttcttggtt actttttctc tattttactgt gtttggaaaa 1050
 239 ttttcatggc taccatcaat attgtttttt gatcgagttgg gaaaacggat 1100
 241 cctgtcacaa gaggcatttga gatcaactgtg aattatctgg gaatccaatt 1150
 243 tggatgtgaag ttttggccc aacacatttc cttcattttt gtttggataa 1200
 245 tcatcgacatc atccatcaga ggattgtgttgc tcacttttac caagttttt 1250
 247 tatgccatct ctagcagttt gtcctccat gtcatgttcc tgcttattagc 1300
 249 acagataatg ggcattgtact ttgtcttcc tttgtgtgttgc atccgaatga 1350
 251 gtatgcctt agaataccgc accataatca ctgaagtctt tggagaactg 1400
 253 cagttcaact tctatcaccg ttggtttggat gtgtatcttcc tggtcagcgc 1450
 255 tctctcttagc atactcttcc tctatttggc tcacaaacag gcaccagaga 1500
 257 agcaaatatggc accttgaact taaggctact acagactgtt agaggccagt 1550
 259 gggttcaaaa tttagatata agagggggga aaaaatggAAC cagggcttgc 1600
 261 cattttataaa acaaaacaaaaa tgctatggta gcattttca cttcatagc 1650
 264 atactccccc cccgtcagggt gatactatgtt ccatgagtagt catcagccag 1700
 266 aacatgagag ggagaactaa ctcagacaa tactcagcag agagcatccc 1750
 268 gtgtggatat gaggcttggt tagaggcggg gaggagccaa gaaactaaag 1800
 270 gtgaaaaata cacttggact ctggggcaag acatgtctat ggttagctgag 1850
 272 ccaaacacgtt aggatttccg ttttaagggtt cacatggaaa aggttatagc 1900
 274 ttgccttgc gatttgcacttca ttaaaatcag agactgttac aaaaaaaaaa 1950
 276 aaaaaaaaaa agggccggccg cgactcttgc gtcgacactgc agaagcttgg 2000
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 282 <212> TYPE: PRT
 283 <213> ORGANISM: Homo Sapien
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 289 Leu Phe Phe Gly Phe Gly Trp Leu Phe Phe Met Arg Gln Leu Phe
 290 20 25 30
 292 Lys Asp Tyr Glu Ile Arg Gln Tyr Val Val Gln Val Ile Phe Ser
 293 35 40 45
 295 Val Thr Phe Ala Phe Ser Cys Thr Met Phe Glu Leu Ile Ile Phe
 296 50 55 60
 298 Glu Ile Leu Gly Val Leu Asn Ser Ser Arg Tyr Phe His Trp
 299 65 70 75
 301 Lys Met Asn Leu Cys Val Ile Leu Leu Ile Leu Val Phe Met Val
 302 80 85 90
 304 Pro Phe Tyr Ile Gly Tyr Phe Ile Val Ser Asn Ile Arg Leu Leu
 305 95 100 105
 307 His Lys Gln Arg Leu Leu Phe Ser Cys Leu Leu Trp Leu Thr Phe
 308 110 115 120
 310 Met Tyr Phe Phe Trp Lys Leu Gly Asp Pro Phe Pro Ile Leu Ser
 311 125 130 135
 313 Pro Lys His Gly Ile Leu Ser Ile Glu Gln Leu Ile Ser Arg Val
 314 140 145 150
 316 Gly Val Ile Gly Val Thr Leu Met Ala Leu Leu Ser Gly Phe Gly

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003
TIME: 08:48:20

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
Output Set: N:\CRF4\02122003\J063557.raw

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319	Ala Val Asn Cys Pro Tyr Thr Tyr Met Ser Tyr Phe Leu Arg Asn		
320	170	175	180
322	Val Thr Asp Thr Asp Ile Leu Ala Leu Glu Arg Arg Leu Leu Gln		
323	185	190	195
325	Thr Met Asp Met Ile Ile Ser Lys Lys Lys Arg Met Ala Met Ala		
326	200	205	210
329	Arg Arg Thr Met Phe Gln Lys Gly Glu Val His Asn Lys Pro Ser		
330	215	220	225
332	Gly Phe Trp Gly Met Ile Lys Ser Val Thr Thr Ser Ala Ser Gly		
333	230	235	240
335	Ser Glu Asn Leu Thr Leu Ile Gln Gln Glu Val Asp Ala Leu Glu		
336	245	250	255
338	Glu Leu Ser Arg Gln Leu Phe Leu Glu Thr Ala Asp Leu Tyr Ala		
339	260	265	270
341	Thr Lys Glu Arg Ile Glu Tyr Ser Lys Thr Phe Lys Gly Lys Tyr		
342	275	280	285
344	Phe Asn Phe Leu Gly Tyr Phe Phe Ser Ile Tyr Cys Val Trp Lys		
345	290	295	300
347	Ile Phe Met Ala Thr Ile Asn Ile Val Phe Asp Arg Val Gly Lys		
348	305	310	315
350	Thr Asp Pro Val Thr Arg Gly Ile Glu Ile Thr Val Asn Tyr Leu		
351	320	325	330
353	Gly Ile Gln Phe Asp Val Lys Phe Trp Ser Gln His Ile Ser Phe		
354	335	340	345
356	Ile Leu Val Gly Ile Ile Ile Val Thr Ser Ile Arg Gly Leu Leu		
357	350	355	360
359	Ile Thr Leu Thr Lys Phe Phe Tyr Ala Ile Ser Ser Ser Lys Ser		
360	365	370	375
362	Ser Asn Val Ile Val Leu Leu Ala Gln Ile Met Gly Met Tyr		
363	380	385	390
365	Phe Val Ser Ser Val Leu Leu Ile Arg Met Ser Met Pro Leu Glu		
366	395	400	405
368	Tyr Arg Thr Ile Ile Thr Glu Val Leu Gly Glu Leu Gln Phe Asn		
369	410	415	420
371	Phe Tyr His Arg Trp Phe Asp Val Ile Phe Leu Val Ser Ala Leu		
372	425	430	435
374	Ser Ser Ile Leu Phe Leu Tyr Leu Ala His Lys Gln Ala Pro Glu		
375	440	445	450
377	Lys Gln Met Ala Pro		
378	455		
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381	<211> LENGTH: 2372		
382	<212> TYPE: DNA		
383	<213> ORGANISM: Homo Sapien		
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388	acctcaacata gttccaaqaaac tctccatccg gacttgatgt tggatcttgc 100		
390	cctctcatat caccagtggc catctgaggt gttccctgg ctctgaagg 150		

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/12/2003
PATENT APPLICATION: US/10/063,557 TIME: 08:48:21

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
Output Set: N:\CRF4\02122003\J063557.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:73; N Pos. 1528



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003
TIME: 07:59:05

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
Output Set: N:\CRF4\02122003\J063557.raw

**Does Not Comply
Corrected Diskette Needed**

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003

TIME: 07:59:05

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65 <151> PPIOF FILING DATE: 2000-05-22
69 <150> PPIOF APPLICATION NUMBER: US 60/209,832
70 <151> PPIOF FILING DATE: 2000-06-05
72 <160> NUMBER OF SEQ ID NOS: 170

ERRORED SEQUENCES

12968 <160> SEQ ID NO: 170
12969 <160> LENGTH: 41
1. 170 <160> TYPE: DNA
1. 171 <160> ORGANISM: Artificial Sequence
1. 173 <160> FEATURE:
1. 174 <160> OTHER INFORMATION: Synthetic oligonucleotide probe
12976 <400> SEQUENCE: 170
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E--> 12981 148

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/063,557

DATE: 02/12/2003

TIME: 07:59:07

Input Set : N:\AMC\Sequence_Listing_as_filedP3230R1C39.txt
Output Set: N:\CRF4\02122003\J063557.raw

L:5838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1500
L:12981 M:254 E: No. of Bases conflict, this line has no nucleotides.